

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P477612

Luminaire Tested: **IFLD-S-SA3C-722-U-T3R**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P477612
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-722-U-T3R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

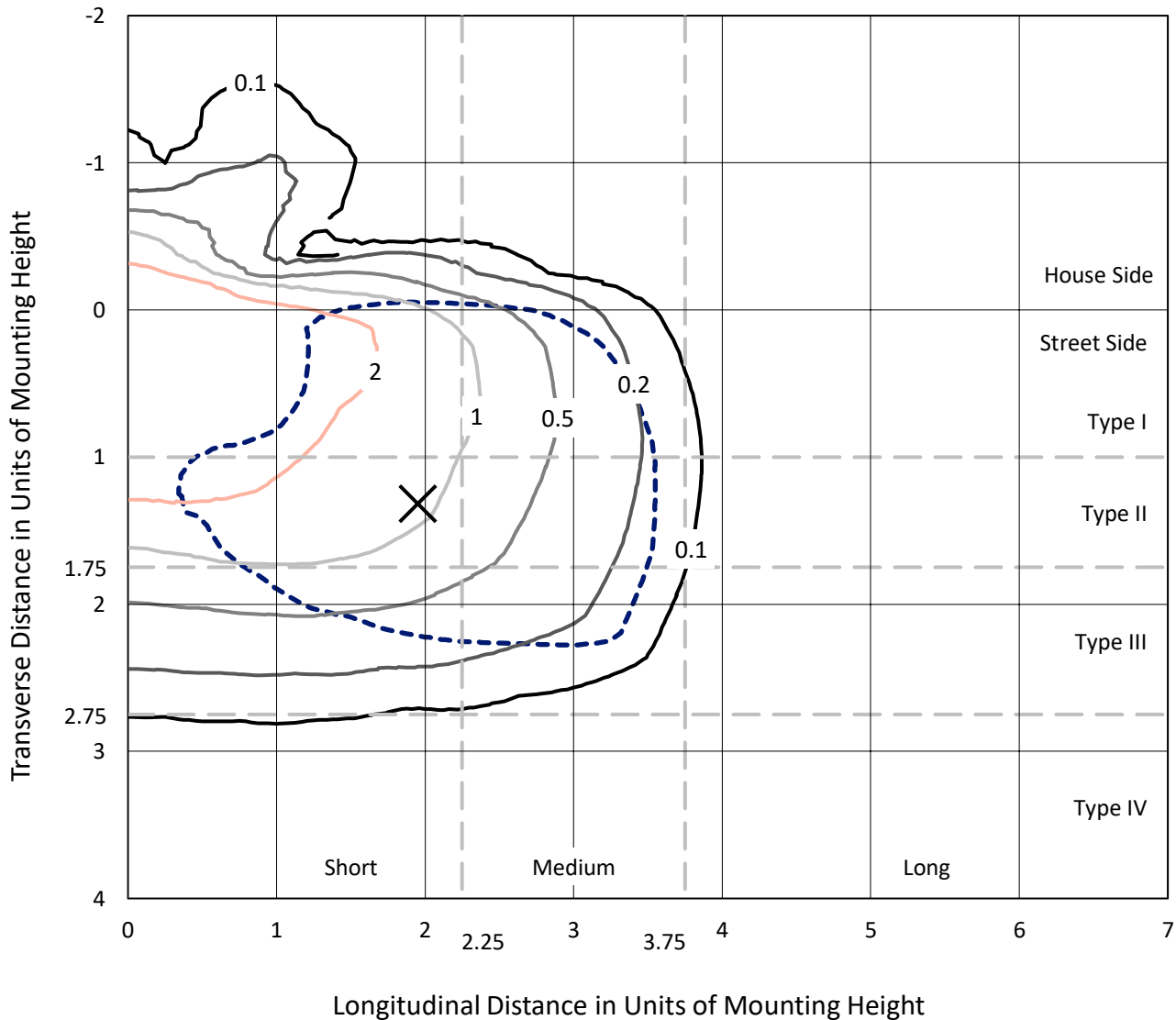
Lumens per Lamp: N/A
Luminaire Lumens: 15326.4 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

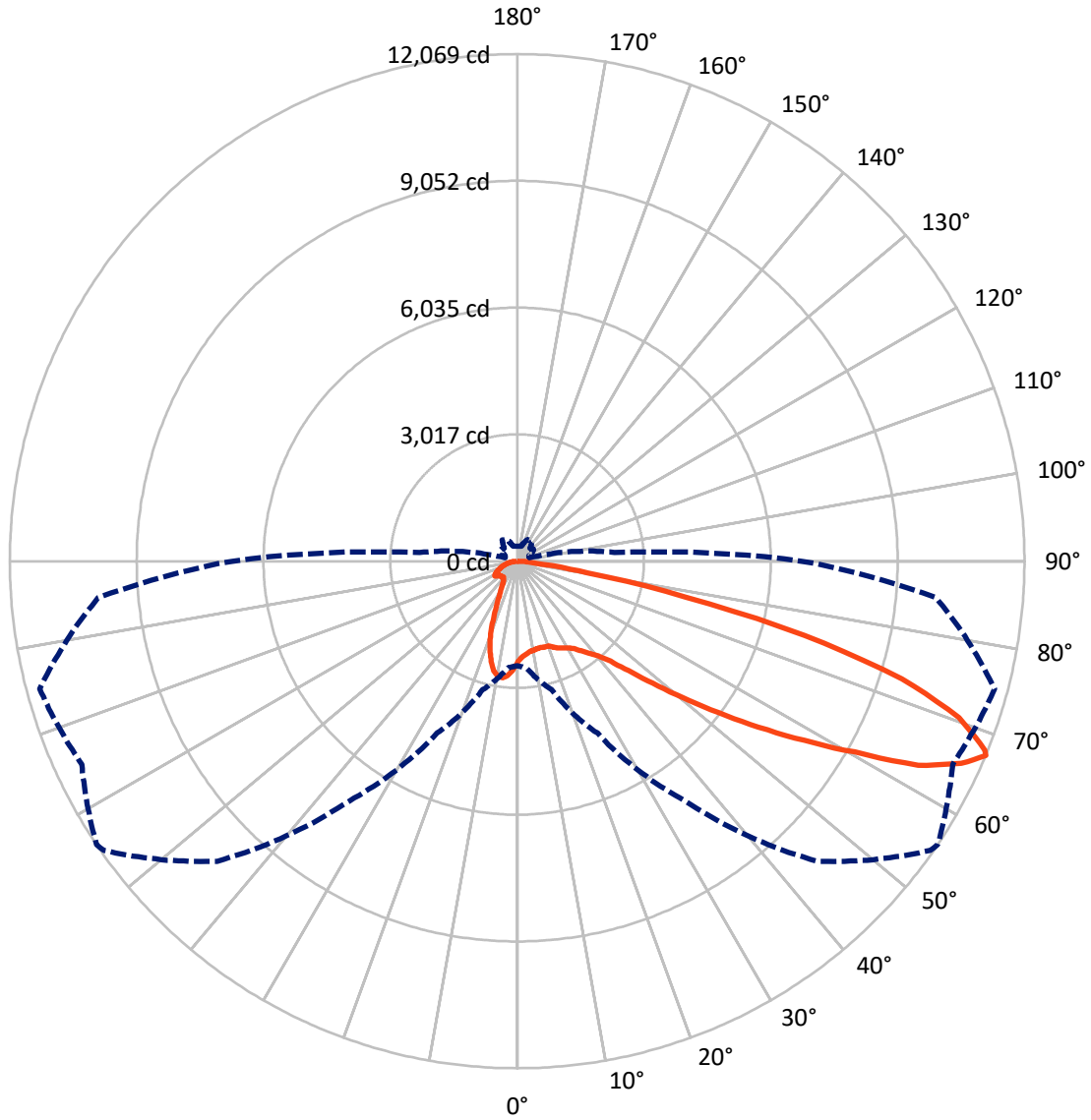
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Short - N/A

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CATALOG NUMBER: IFLD-S-SA3C-722-U-T3R

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2426.3	0.0	2426.3
	% Fixture	15.8	0.0	15.8
Street Side	Lumens	12900.1	0.0	12900.1
	% Fixture	84.2	0.0	84.2
Total	Lumens	15326.4	0.0	15326.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.7	1.5
10°-20°	626.8	4.1
20°-30°	982.9	6.4
30°-40°	1403.2	9.2
40°-50°	2117.8	13.8
50°-60°	3371.2	22.0
60°-70°	4309.8	28.1
70°-80°	2101.3	13.7
80°-90°	183.8	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	15326.4	100.0
0°-180°	15326.4	100.0

Coefficient of Utilization

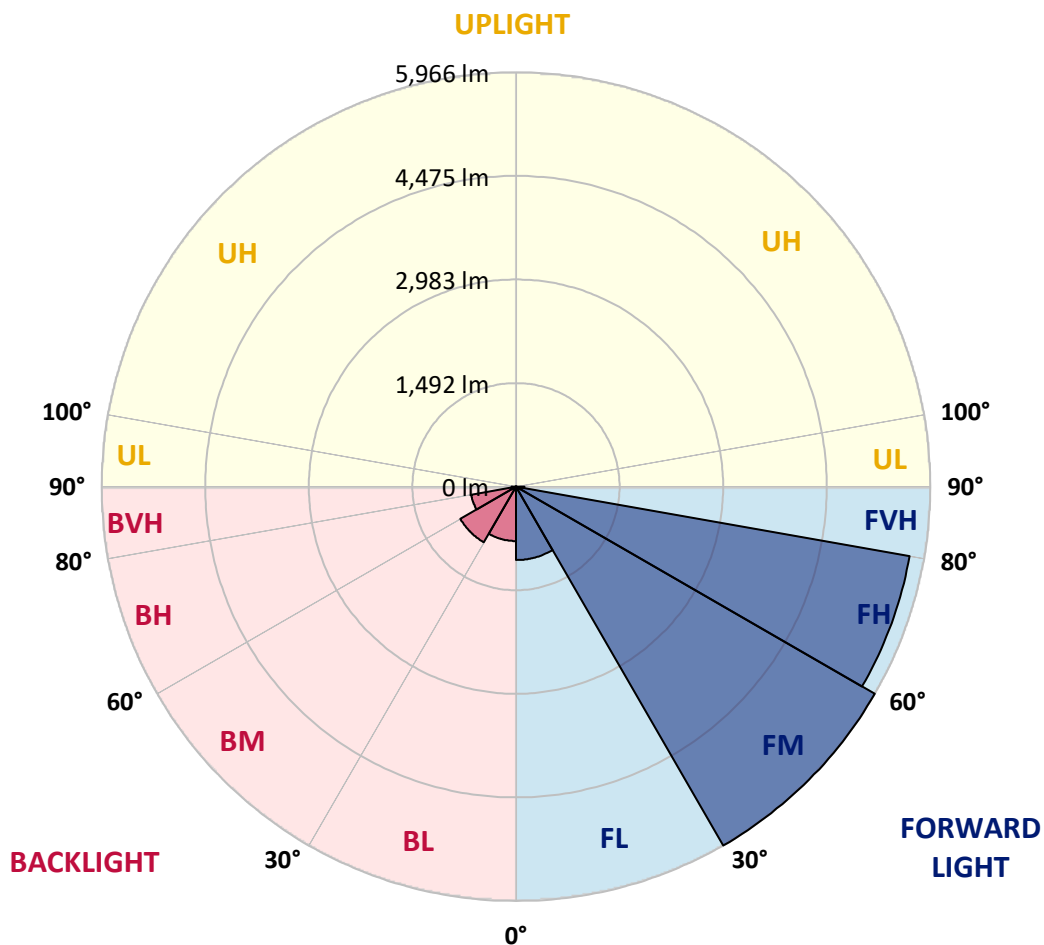


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1056.2	6.9			
FM (30°-60°)	5966.4	38.9			
FH (60°-80°)	5755.4	37.6			G3/7500
FVH (80°-90°)	122.1	0.8			G2/225
BL (0°-30°)	783.3	5.1	B2/1000		
BM (30°-60°)	925.7	6.0	B1/1000		
BH (60°-80°)	655.6	4.3	B2/1000		G2/1000
BVH (80°-90°)	61.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8
2.5°	2190.7	2181.7	2192.5	2181.7	2230.2	2259.0	2267.9	2280.5	2325.4	2368.6
5°	2099.0	2059.5	2102.6	2117.0	2120.6	2169.1	2219.4	2228.4	2251.8	2321.9
7.5°	1946.3	1991.2	1975.0	2018.1	2063.1	2111.6	2194.3	2170.9	2257.2	2323.7
10°	1913.9	1917.5	1935.5	1951.7	1991.2	2054.1	2169.1	2154.7	2242.8	2384.8
12.5°	1946.3	1946.3	1940.9	1928.3	1973.2	2034.3	2126.0	2133.2	2271.5	2402.7
15°	2059.5	2081.0	2023.5	2032.5	2014.5	2034.3	2115.2	2131.4	2282.3	2417.1
17.5°	2336.2	2329.0	2260.8	2165.5	2086.4	2073.9	2129.6	2147.5	2271.5	2458.4
20°	2605.8	2591.4	2472.8	2374.0	2217.6	2143.9	2152.9	2154.7	2289.5	2485.4
22.5°	2905.9	2943.7	2814.3	2613.0	2418.9	2235.6	2199.7	2228.4	2330.8	2499.8
25°	3376.8	3295.9	3184.5	2920.3	2607.6	2377.6	2276.9	2291.3	2370.4	2535.7
27.5°	3716.4	3684.1	3509.7	3295.9	2871.8	2489.0	2318.3	2345.2	2442.3	2533.9
30°	4043.5	4043.5	3937.4	3617.6	3150.3	2675.9	2406.3	2393.7	2408.1	2530.3
32.5°	4426.3	4374.1	4221.4	4009.3	3500.8	2846.6	2476.4	2480.0	2480.0	2596.8
35°	4627.5	4712.0	4609.6	4264.5	3768.5	3130.5	2645.3	2618.4	2598.6	2670.5
37.5°	4922.3	4972.6	4864.8	4661.7	4101.0	3360.6	2794.5	2772.9	2657.9	2728.0
40°	5100.2	5091.2	5087.6	4994.1	4541.3	3631.9	3013.7	2958.0	2803.5	2931.1
42.5°	5200.8	5182.8	5403.9	5346.4	4956.4	4030.9	3288.7	3258.1	3087.4	3292.3
45°	5314.0	5447.0	5628.5	5790.3	5439.8	4591.6	3754.1	3711.0	3558.3	3818.8
47.5°	5412.9	5576.4	5808.2	5980.7	5876.5	5200.8	4329.2	4340.0	4239.4	4507.1
50°	5578.2	5594.4	5908.9	6257.5	6338.4	5763.3	5102.0	5084.0	5039.1	5414.7
52.5°	5527.9	5576.4	5973.6	6419.2	6552.2	6358.1	5932.2	5986.1	5926.8	6399.5
55°	4708.4	4854.0	5934.0	6590.0	7059.0	7030.3	6999.7	6963.8	6960.2	7506.5
57.5°	4336.4	4455.0	5227.8	6778.7	7601.7	7813.8	8011.5	8051.0	8049.2	8708.7
60°	4092.0	4214.2	4942.0	6676.2	8063.6	8839.9	9219.1	9224.5	9213.7	9993.7
62.5°	3614.0	3732.6	4447.8	6115.5	8191.2	9787.0	10631.6	10701.7	10207.5	11100.7
65°	3038.9	3135.9	3766.7	5258.3	7851.5	10389.0	11693.7	11611.1	11045.0	11733.3
67°	2485.4	2550.1	3164.7	4514.3	6963.8	10099.7	12001.0	12069.3	11431.4	11760.2
67.5°	2327.2	2386.5	2967.0	4260.9	6625.9	9880.5	12011.8	12001.0	11438.5	11765.6
70°	1615.6	1640.8	2021.7	2931.1	4880.9	8347.5	11134.8	11160.0	10958.7	11127.6
72.5°	1071.1	1108.8	1351.4	1847.4	2877.2	6074.2	9307.2	9576.7	9449.2	9123.9
75°	690.1	711.7	884.2	1099.8	1416.1	3459.4	6875.7	7055.4	6762.5	5642.9
77.5°	386.4	409.7	533.7	668.5	690.1	1439.5	3862.0	4084.8	3461.2	2397.3
80°	240.8	271.4	402.6	397.2	328.9	528.3	1592.2	1705.4	1383.8	824.9
82.5°	181.5	204.9	310.9	278.6	185.1	235.4	596.6	639.8	506.8	318.1
85°	124.0	156.3	224.6	172.5	97.0	113.2	237.2	255.2	231.8	154.6
87.5°	44.9	66.5	116.8	86.3	43.1	34.1	77.3	86.3	82.7	70.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P477612
 CATALOG NUMBER: IFLD-S-SA3C-722-U-T3R

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2384.8	0°	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8
2406.3	2.5°	2440.5	2465.6	2478.2	2551.9	2582.4	2577.0	2584.2	2595.0	2605.8	2620.2
2436.9	5°	2460.2	2537.5	2578.8	2665.1	2722.6	2697.4	2729.8	2720.8	2708.2	2706.4
2492.6	7.5°	2524.9	2623.8	2747.8	2771.1	2796.3	2733.4	2679.5	2605.8	2587.8	2524.9
2539.3	10°	2639.9	2720.8	2871.8	2880.8	2769.3	2607.6	2487.2	2334.4	2332.6	2241.0
2611.2	12.5°	2749.6	2841.2	2963.4	2911.3	2645.3	2424.3	2228.4	2061.3	1991.2	1944.5
2654.3	15°	2817.9	2968.8	3033.5	2808.9	2427.9	2129.6	1876.2	1696.5	1624.6	1590.4
2708.2	17.5°	2880.8	3091.0	3062.3	2629.2	2160.1	1825.9	1523.9	1367.6	1347.8	1322.7
2794.5	20°	2967.0	3135.9	2959.8	2395.5	1856.4	1434.1	1241.8	1166.3	1184.3	1195.1
2803.5	22.5°	3047.9	3159.3	2830.4	2140.3	1466.4	1135.8	1040.5	1056.7	1083.7	1119.6
2825.0	25°	3083.8	3197.0	2656.1	1788.1	1116.0	956.1	934.5	961.4	1006.4	1008.2
2855.6	27.5°	3107.2	3170.1	2445.9	1444.9	882.4	835.7	868.0	887.8	893.2	914.7
2920.3	30°	3148.5	3114.4	2179.9	1033.3	740.4	742.2	783.5	783.5	783.5	799.7
2985.0	32.5°	3220.4	3076.6	1869.0	754.8	638.0	695.5	684.7	681.1	673.9	654.1
3067.6	35°	3265.3	2974.2	1475.4	558.9	573.3	638.0	634.4	578.7	485.2	438.5
3277.9	37.5°	3358.8	2922.1	1085.4	431.3	535.5	609.2	589.4	454.7	352.2	307.3
3538.5	40°	3560.1	2887.9	751.2	377.4	510.4	594.8	526.6	388.2	269.6	190.5
3941.0	42.5°	3806.3	2889.7	510.4	355.8	512.2	625.4	506.8	332.5	190.5	152.8
4478.4	45°	4136.9	2862.8	350.4	355.8	544.5	675.7	519.4	301.9	185.1	194.1
5152.3	47.5°	4492.8	2886.1	260.6	323.5	549.9	677.5	474.4	296.5	177.9	224.6
5885.5	50°	4907.9	2909.5	215.7	298.3	551.7	655.9	436.7	289.3	185.1	237.2
6726.5	52.5°	5335.6	2983.2	183.3	282.1	573.3	647.0	436.7	300.1	185.1	206.7
7797.6	55°	5973.6	3171.9	264.2	352.2	652.3	706.3	537.3	420.5	258.8	266.0
8823.8	57.5°	6678.0	3366.0	294.7	370.2	670.3	636.2	578.7	463.7	273.2	275.0
9621.7	60°	7141.7	3373.2	292.9	361.2	627.2	549.9	566.1	488.8	278.6	235.4
10115.9	62.5°	7326.8	3153.9	305.5	361.2	584.1	514.0	580.5	526.6	287.5	294.7
10256.1	65°	7116.5	2701.0	294.7	323.5	514.0	460.1	584.1	533.7	314.5	296.5
10004.5	67°	6787.6	2327.2	300.1	307.3	478.0	436.7	614.6	560.7	364.8	355.8
9873.3	67.5°	6694.2	2228.4	298.3	298.3	465.4	429.5	621.8	560.7	372.0	368.4
8714.1	70°	5899.9	1806.1	305.5	294.7	411.5	407.9	661.3	591.2	427.7	431.3
6401.3	72.5°	4491.0	1369.4	303.7	294.7	357.6	390.0	666.7	611.0	465.4	431.3
3585.2	75°	2551.9	819.5	267.8	257.0	282.1	339.7	623.6	582.3	452.9	386.4
1432.3	77.5°	1054.9	422.3	246.2	231.8	233.6	276.8	519.4	542.7	431.3	328.9
478.0	80°	393.6	253.4	197.7	185.1	179.7	203.1	370.2	433.1	368.4	269.6
210.3	82.5°	204.9	158.1	134.8	134.8	122.2	129.4	199.5	287.5	278.6	185.1
84.5	85°	104.2	89.9	77.3	75.5	68.3	61.1	100.6	170.7	159.9	102.4
37.7	87.5°	55.7	50.3	32.3	30.6	25.2	16.2	18.0	34.1	55.7	44.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O



<u>180°</u>
2384.8
2634.5
2722.6
2546.5
2237.4
1933.7
1583.2
1335.2
1182.5
1099.8
1026.1
934.5
817.7
643.4
460.1
305.5
185.1
149.2
197.7
249.8
275.0
212.1
280.3
266.0
242.6
298.3
291.1
350.4
361.2
399.0
382.8
345.0
310.9
246.2
145.6
84.5
32.3
0.0

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